Bay Networks

Part No. 115197-A Rev. A

Installing BayStack ARN Hardware and Software

Installing or Upgrading Router Software

1. Read about new features, guidelines, known anomalies, and amendments to the 11.0 documentation.
   - *Release Notes for Router Software Version 11.00 Rev. 4n*
   - *Release Notes for Site Manager Software Version 5.00 Rev. 4n*
   - *Known Anomalies: Router and Site Manager Software*
   - *Upgrading Routers*
2. Install Site Manager software.
3. Install the router software.
4. Back up the router software image and configuration file.
5. Create a pilot configuration file.
   - *Configuring Remote Access*
   - *Configuring Routers*

Installing the ARN

1. Unpack and install the router.
   - *Installing and Operating BayStack ARN Routers*
2. Configure an initial IP interface and boot from the pilot configuration file.
   - *Installing and Operating BayStack ARN Routers*
   - *Configuring Remote Access*
3. Enhance the initial configuration file by defining the rest of the ARN interfaces.
   - *Release Notes for Site Manager Software Version 5.00 Rev. 4n*
   - *Installing and Operating BayStack ARN Routers*

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Finding Information

After you install the router hardware and software, use the following tables to help locate instructions in the documentation set for tasks that you want to perform.

Manage Security	
Restrict read/write access to a router	*Quick-Starting Routers and BNX Platforms* *Configuring SNMP, RMON, BOOTP, DHCP, and RARP Services*
Create a security filter	*Quick-Starting Routers and BNX Platforms* *Configuring Routers*
Set a router to operate in Secure mode	*Quick-Starting Routers and BNX Platforms*
Use Management Systems	
Learn about Site Manager	*Using Site Manager Software*
Learn about the Technician Interface	*Using Technician Interface Software*
Use the Technician Interface scripts	*Using Technician Interface Scripts*
Write Technician Interface scripts	*Writing Technician Interface Scripts*
Configure a Router (general tasks)	
Connect a router to Site Manager	*Configuring Routers* -- "Using the Configuration Manager" *Configuring Remote Access*
Configure the router's console port to connect the router to the Technician Interface	*Configuring Routers* -- "Configuring a Connection to the Technician Interface"
Specify administrative information, such as a system name, contact, and location	*Configuring Routers* -- "Specifying Administrative Information"
Save configuration changes	*Configuring Routers* -- "Implementing Configuration Changes"
Transfer a file to the router (in local mode)	*Configuring Routers* -- "Implementing Configuration Changes"
Reboot the router with a new file	*Configuring Routers* -- "Implementing Configuration Changes"
Look up Site Manager defaults	"Default Parameter Settings" appendix in each protocol manual

Set Up and Customize Lines	
Change the default settings of Ethernet, serial, and token ring lines	*Configuring Line Services*
Configure Multiline	*Configuring Line Services* -- "Configuring Multiline Services"
Configure Circuits	
Move, rename, or delete a circuit on the router Assign additional IP interfaces to a circuit Add protocols to or delete protocols from a circuit	*Configuring Routers* -- "Editing Circuits"
Configure WAN Protocols	
Enable and customize Frame Relay Add, edit, group, or delete permanent virtual circuits (PVCs)	*Configuring Frame Relay Services*
Enable and customize SMDS	*Configuring SMDS*
Enable and customize X.25 Add, edit, or delete X.25 network service records	*Configuring X.25 Services*
Enable and customize PPP	*Configuring PPP Services*
Enable and customize Asynchronous PPP	*Configuring PPP Services*
Create or modify dial-on-demand line pools Create or edit dial-on-demand circuits	*Configuring Dial Services*
Create dial backup line pools Modify dial backup lines and pool IDs Create or edit primary circuits and defaults	*Configuring Dial Services*
Enable and Customize Network Protocols	
AppleTalk	*Configuring AppleTalk Services*
APPN	*Configuring APPN Services*
Bridging and the transparent bridge Spanning tree Source routing Translation bridge	*Configuring Bridging Services*
BOOTP	*Configuring SNMP, RMON, BOOTP, DHCP, and RARP Services*

BSC transport services	*Configuring BSC Transport Services*
Data compression	*Configuring Data Compression Services*
DECnet	*Configuring DECnet Services*
DHCP	*Configuring SNMP, RMON, BOOTP, DHCP, and RARP Services*
DLSw	*Configuring DLSw Services*
FTP	*Configuring IP Utilities*
IP routing protocols (BGP, EGP, OSPF, RIP, NetBIOS)	*Configuring IP Services*
IP multicasting protocols	*Configuring IP Multicasting Services*
IPX	*Configuring IPX Services*
LLC	*Configuring LLC Services*
LNM	*Configuring LNM Services*
OSI	*Configuring OSI Services*
RARP	*Configuring SNMP, RMON, BOOTP, DHCP, and RARP Services*
SDLC	*Configuring SDLC Services*
SNMP	*Configuring SNMP, RMON, BOOTP, DHCP, and RARP Services*
ST2	*Configuring IP Utilities*
TCP	*Configuring IP Utilities*
Telnet	*Configuring IP Utilities*
VINES	*Configuring VINES Services*
XNS	*Configuring XNS Services*

Get Information on Events and Traps	
Display event logs Read, filter, and find events Save event log files Reference all Fault, Warning, and Info events	*Event Messages for Routers and BNX Platforms*
Display, filter, and save traps	*Managing Routers and BNX Platforms*
Manage Filters, Statistics, MIB, and Other Tasks	
Configure inbound traffic filters, protocol prioritization, or outbound traffic filters	*Configuring Traffic Filters and Protocol Prioritization*
Display data link layer and network layer statistics	*Managing Routers and BNX Platforms* -- Statistics Manager
View the Bay Networks MIB	*Managing Routers and BNX Platforms* -- MIB Browser
Create or edit custom statistics screens	*Managing Routers and BNX Platforms* -- Screen Builder
Add screens to or remove them from the current screen list	*Managing Routers and BNX Platforms* -- Screen Manager
Display the contents of a volume	*Managing Routers and BNX Platforms* -- Router File Manager
Compact or format a memory card	*Managing Routers and BNX Platforms* -- Router File Manager
Manipulate the files on your router	*Managing Routers and BNX Platforms* -- Router File Manager
Display the Site Manager or router software version	*Managing Routers and BNX Platforms*
Boot the router	*Managing Routers and BNX Platforms* *Configuring Remote Access*
Ping a remote device	*Managing Routers and BNX Platforms*
Remove protocols from or add them to the router software image	*Modifying Software Images for Routers* -- Image Builder

Service Router Hardware	
Replace the ARN base module and component tray assembly	*Replacing the Component Tray in a BayStack ARN Router*
Install hardware modules	• *Installing a WAN Adapter Module in a BayStack ARN Router* • *Installing an Expansion Module in a BayStack ARN Router* • *Installing a V.34 Console Modem Module in a BayStack ARN Router* • *Installing an Ethernet RMON DCM in a BayStack ARN Router* • *Installing System Memory in a BayStack ARN Router*
Locate and determine the meaning of LEDs	*Installing and Operating BayStack ARN Routers*
Configure hardware modules	*Release Notes for Site Manager Software Version 5.00 Revision 4n*
Get information about cables	*Cable Guide for Routers and BNX Platforms*
Connect Routers in a Network	
Select the software configuration option for connecting your BayStack™ AN®, ANH™, or ARN™ router to the network	*Configuring Remote Access*
Configure your UNIX workstation as a BOOTP server	*Configuring Remote Access*